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<input type="checkbox"/>	L14	l1 and 369/44.19	47
<input type="checkbox"/>	L13	l6 same radial	20
<input type="checkbox"/>	L12	L11 and (vsel or vtsel or vcel)	0
<input type="checkbox"/>	L11	L10 same track\$	25
<input type="checkbox"/>	L10	l6 same focus\$	25
<input type="checkbox"/>	L9	l2 same ((light adj2 source) or laser\$2)	259
<input type="checkbox"/>	L8	L6 and (emitting adj2 laser\$2)	3
<input type="checkbox"/>	L7	L6 and (vtsel or vcel or vsel)	0
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<input type="checkbox"/>	L5	L3 same focus\$	33
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<input type="checkbox"/>	L2	L1 same (dis\$2 or medi\$2 or carrier)	349
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Search Results - Record(s) 1 through 25 of 25 returned.

☐ 1. Document ID: US 6798729 B1

L6: Entry 1 of 25

File: USPT

Sep 28, 2004

US-PAT-NO: 6798729

DOCUMENT-IDENTIFIER: US 6798729 B1

TITLE: Optical head using micro-machined elements

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hurst, Jr.; Jerry E.	San Jose	CA		
Drake; Joseph	Mountain View	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Davis; Joseph E.	Morgan Hill	CA		
Heanue; John F.	Fremont	CA		
Petersen; Kurt E.	San Jose	CA		
McDaniel; Terry	Morgan Hill	CA		
Drazan; Jeff	Atherton	CA		

US-CL-CURRENT: 369/119; 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNAC	Draw D
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☐ 2. Document ID: US 6781927 B1

L6: Entry 2 of 25

File: USPT

Aug 24, 2004

US-PAT-NO: 6781927

DOCUMENT-IDENTIFIER: US 6781927 B1

TITLE: Data storage system having an optical processing flying head

DATE-ISSUED: August 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heanuc; John F	Fremont	CA		
Wilde; Jeffrey P.	Los Gatos	CA		

h e b b g e e e f e ef b e

Hurst, Jr.; Jerry E. San Jose CA
Jerman; John H. Palo Alto CA

US-CL-CURRENT: 369/13.32; 369/112.27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D
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☐ 3. Document ID: US 6687205 B1

L6: Entry 3 of 25

File: USPT

Feb 3, 2004

US-PAT-NO: 6687205

DOCUMENT-IDENTIFIER: US 6687205 B1

TITLE: Parallel coded spread spectrum communication for data storage

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huber; William D.	San Jose	CA		

US-CL-CURRENT: 369/47.19; 369/124.04, 369/124.06, 369/59.27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D
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☐ 4. Document ID: US 6587421 B1

L6: Entry 4 of 25

File: USPT

Jul 1, 2003

US-PAT-NO: 6587421

DOCUMENT-IDENTIFIER: US 6587421 B1

**** See image for Certificate of Correction ****

TITLE: Refractive index matching means coupled to an optical fiber for eliminating spurious light

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Los Gatos	CA		
Tselikov; Alexander	Fremont	CA		
Izraelian; Viatcheslav	North York			CA
Heanue; John F.	San Jose	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Gray; George R	Apple Valley	MN		
Zhang; Yongwei	San Jose	CA		

US-CL-CURRENT: 369/112.01; 369/107, 369/112.27, 369/44.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D.
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☐ 5. Document ID: US 6542443 B1

L6: Entry 5 of 25

File: USPT

Apr 1, 2003

US-PAT-NO: 6542443

DOCUMENT-IDENTIFIER: US 6542443 B1

TITLE: Efficient linearization of saturation channels

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huber; William D.	Morgan Hill	CA		

US-CL-CURRENT: 369/13.02; 369/47.15, 369/59.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D.
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☐ 6. Document ID: US 6529464 B2

L6: Entry 6 of 25

File: USPT

Mar 4, 2003

US-PAT-NO: 6529464

DOCUMENT-IDENTIFIER: US 6529464 B2

**** See image for Certificate of Correction ****

TITLE: Low-birefringence optical fiber for use in an optical data storage system

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Los Gatos	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Heanue; John F.	San Jose	CA		
Izraelian; Viatcheslav	North York			CA
Tselikov; Alexander	Fremont	CA		

US-CL-CURRENT: 369/112.01; 369/112.05, 369/112.27

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D.
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☐ 7. Document ID: US 6360035 B1

L6: Entry 7 of 25

File: USPT

Mar 19, 2002

US-PAT-NO: 6360035

DOCUMENT-IDENTIFIER: US 6360035 B1

**** See image for Certificate of Correction ****

TITLE: Optical head using micro-machined elements

DATE-ISSUED: March 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hurst, Jr.; Jerry E.	San Jose	CA		
Drake; Joseph	Mountain View	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Davis; Joseph E.	Morgan Hill	CA		
Heanue; John F.	Fremont	CA		
Petersen; Kurt E.	San Jose	CA		
McDaniel; Terry	Morgan Hill	CA		
Drazan; Jeff	Atherton	CA		

US-CL-CURRENT: 385/18; 385/16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw Ds
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☐ 8. Document ID: US 6298027 B1

L6: Entry 8 of 25

File: USPT

Oct 2, 2001

US-PAT-NO: 6298027

DOCUMENT-IDENTIFIER: US 6298027 B1

**** See image for Certificate of Correction ****

TITLE: Low-birefringence optical fiber for use in an optical data storage system

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Los Gatos	CA		
Hurst, Jr.; Jerry E	San Jose	CA		
Heanue; John F.	San Jose	CA		
Izraelian; Viatcheslav	North York			CA
Tselikov; Alexander	Fremont	CA		

US-CL-CURRENT: 369/112.02; 369/112.17, 369/112.27

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw Ds
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☐ 9. Document ID: US 6226233 B1

L6: Entry 9 of 25

File: USPT

May 1, 2001

US-PAT-NO: 6226233

DOCUMENT-IDENTIFIER: US 6226233 B1

TITLE: Magneto-optical system utilizing MSR media

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McDaniel; Terry	Morgan Hill	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Davis; Joseph E.	Morgan Hill	CA		
Heanue; John F.	Fremont	CA		
Drazan; Jeff	Atherton	CA		
Petersen; Kurt E.	San Jose	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Drake; Joseph	Mountain View	CA		

US-CL-CURRENT: 369/13.32; 369/13.28, 369/44.22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 10. Document ID: US 6208594 B1

L6: Entry 10 of 25

File: USPT

Mar 27, 2001

US-PAT-NO: 6208594

DOCUMENT-IDENTIFIER: US 6208594 B1

TITLE: Efficient linearization of saturation channels

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huber; William D.	San Jose	CA		
Smith; Robert F.	San Jose	CA		
Aultman; Terry A.	San Jose	CA		
Kuklewicz; John C.	San Jose	CA		

US-CL-CURRENT: 369/13.02; 369/47.15, 369/59.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 11. Document ID: US 6200882 B1

L6: Entry 11 of 25

File: USPT

Mar 13, 2001

h e b b g e e e f e ef b e

US-PAT-NO: 6200882

DOCUMENT-IDENTIFIER: US 6200882 B1

TITLE: Method for processing a plurality of micro-machined mirror assemblies

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		
Jackson; Kathy J.	Cupertino	CA		

US-CL-CURRENT: 438/464; 216/22, 216/24, 216/26, 438/3, 438/460, 438/465, 438/52, 438/53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INDEX	Drawings
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☐ 12. Document ID: US 6154438 A

L6: Entry 12 of 25

File: USPT

Nov 28, 2000.

US-PAT-NO: 6154438

DOCUMENT-IDENTIFIER: US 6154438 A

TITLE: Storage disk having surface variations that vary minimally in height relative to a datum

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Hollaren; William J.	Fremont	CA		
Deeman; Neil	Alamo	CA		
Gauzner; Gennady G.	Livermore	CA		

US-CL-CURRENT: 369/275.3; 428/64.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INDEX	Drawings
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☐ 13. Document ID: US 6076256 A

L6: Entry 13 of 25

File: USPT

Jun 20, 2000

US-PAT-NO: 6076256

DOCUMENT-IDENTIFIER: US 6076256 A

TITLE: Method for manufacturing magneto-optical data storage system

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		
Grade; John D.	Mountain View	CA		
Jackson; Kathy J.	Cupertino	CA		

US-CL-CURRENT: 29/825; 29/412, 29/416

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D-
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☐ 14. Document ID: US 6061323 A

L6: Entry 14 of 25

File: USPT

May 9, 2000

US-PAT-NO: 6061323

DOCUMENT-IDENTIFIER: US 6061323 A

TITLE: Data storage system having an improved surface micro-machined mirror

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jerman; John H.	Palo Alto	CA		
Drake; Joseph	Mountain View	CA		
Davis; Joseph E.	Morgan Hill	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Petersen; Kurt E.	San Jose	CA		

US-CL-CURRENT: 369/13.32; 369/112.27, 369/112.29, 369/119, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D-
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☐ 15. Document ID: US 6046966 A

L6: Entry 15 of 25

File: USPT

Apr 4, 2000

US-PAT-NO: 6046966

DOCUMENT-IDENTIFIER: US 6046966 A

TITLE: Magneto-optical data storage system

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		

US-CL-CURRENT: 369/13.15; 369/112.29, 369/13.12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw D
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☐ 16. Document ID: US 6034938 A

L6: Entry 16 of 25

File: USPT

Mar 7, 2000

US-PAT-NO: 6034938

DOCUMENT-IDENTIFIER: US 6034938 A

**** See image for Certificate of Correction ****

TITLE: Data storage system having an optical processing flying head

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heanue; John F	Fremont	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Jerman; John H.	Palo Alto	CA		

US-CL-CURRENT: 369/13.56; 369/13.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw D
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☐ 17. Document ID: US 5999303 A

L6: Entry 17 of 25

File: USPT

Dec 7, 1999

US-PAT-NO: 5999303

DOCUMENT-IDENTIFIER: US 5999303 A

TITLE: Micro-machined mirror using tethered elements

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		

US-CL-CURRENT: 359/224; 359/223

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw D
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☐ 18. Document ID: US 5903525 A

L6: Entry 18 of 25

File: USPT

May 11, 1999

US-PAT-NO: 5903525

DOCUMENT-IDENTIFIER: US 5903525 A

TITLE: Coil for use with magneto-optical head

DATE-ISSUED: May 11, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McDaniel; Terry	Morgan Hill	CA		
Wang; Yugang	Milpitas	CA		

US-CL-CURRENT: 369/13.23; 369/13.5, 369/13.51, 369/13.54

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 19. Document ID: US 5889641 A

L6: Entry 19 of 25

File: USPT

Mar 30, 1999

US-PAT-NO: 5889641

DOCUMENT-IDENTIFIER: US 5889641 A

**** See image for Certificate of Correction ****

TITLE: Magneto-resistive magneto-optical head

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belser; Karl A.	San Jose	CA		
McDaniel; Terry	Morgan Hill	CA		
Davis; Joseph E.	Morgan Hill	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		

US-CL-CURRENT: 360/313; 360/77.03

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 20. Document ID: US 5812518 A

L6: Entry 20 of 25

File: USPT

Sep 22, 1998

US-PAT-NO: 5812518

DOCUMENT-IDENTIFIER: US 5812518 A

TITLE: Floating-type optical head having incorporated therein a floating slider and an optical device which floats with the slider, includes a condensing unit and is supported movably relative to the floating slider

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukakusa; Masaharu	Saga-ken			JP

US-CL-CURRENT: 720/682; 369/300, 369/44.12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 21. Document ID: US 5615203 A

L6: Entry 21 of 25

File: USPT

Mar 25, 1997

US-PAT-NO: 5615203

DOCUMENT-IDENTIFIER: US 5615203 A

TITLE: Floating-type optical head having incorporated therein a floating slider and an optical device which floats with the slider, includes a light source, condensing unit and photodetector and is supported movably relative to the floating slider

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukakusa; Masaharu	Saga-ken			JP

US-CL-CURRENT: 720/682; 369/112.07, 369/112.1, 369/300, 369/44.12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 22. Document ID: US 5270987 A

L6: Entry 22 of 25

File: USPT

Dec 14, 1993

US-PAT-NO: 5270987

DOCUMENT-IDENTIFIER: US 5270987 A

TITLE: Magneto-optical recording and reproducing method, magneto-optical memory apparatus and magneto-optical recording medium therefor

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaku; Toshimitsu	Sagamihara			JP
Nakamura; Shigeru	Tachikawa			JP
Takahashi; Masahiko	Hachioji			JP
Niihara; Toshio	Sayama			JP
Miyamoto; Harukazu	Kodaira			JP

Ohta; Norio	Iruma	JP
Nakao; Takeshi	Sagamihara	JP
Sukeda; Hirofumi	Kokubunji	JP
Ojima; Masahiro	Tokyo	JP
Toyooka; Takashi	Sayama	JP
Suganuma; Tsuneo	Tokorozawa	JP
Kirino; Fumiyoshi	Tokyo	JP
Miyamura; Yoshinori	Tokyo	JP

US-CL-CURRENT: 369/13.02; 360/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keyword	Draw Data
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☐ 23. Document ID: US 5020041 A

L6: Entry 23 of 25

File: USPT

May 28, 1991

US-PAT-NO: 5020041

DOCUMENT-IDENTIFIER: US 5020041 A

TITLE: Magneto-optical memory apparatus having a floating magnetic head

DATE-ISSUED: May 28, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakao; Takeshi	Sagamihara			JP
Ojima; Masahiro	Tokyo			JP
Miyamura; Yoshinori	Tokyo			JP
Okuwaki; Toyoji	Tokyo			JP
Kawakubo; Youichi	Tokorozawa			JP
Takeuchi; Yoshinori	Ibaraki			JP
Yamaguchi; Yuzo	Tsuchiura			JP

US-CL-CURRENT: 369/13.17; 369/13.11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keyword	Draw Data
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☐ 24. Document ID: US 4626679 A

L6: Entry 24 of 25

File: USPT

Dec 2, 1986

US-PAT-NO: 4626679

DOCUMENT-IDENTIFIER: US 4626679 A

**** See image for Certificate of Correction ****

TITLE: Optical head and method of detecting the focus thereof

DATE-ISSUED: December 2, 1986

h e b b g e e f e ef b e

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuwayama; Tetsuro	Yokohama			JP
Matsumoto; Kazuya	Yokohama			JP

US-CL-CURRENT: 250/227.11; 369/44.12, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMCC	Draw De
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☐ 25. Document ID: US 4622564 A

L6: Entry 25 of 25

File: USPT

Nov 11, 1986

US-PAT-NO: 4622564

DOCUMENT-IDENTIFIER: US 4622564 A

TITLE: Optical information recording apparatus

DATE-ISSUED: November 11, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaku; Toshimitsu	Sagamihara			JP
Nakao; Takeshi	Kukubunji			JP
Tsunoda; Yoshito	Mitaka			JP

US-CL-CURRENT: 347/239

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMCC	Draw De
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L5 same track\$

25

Display Format: CIT

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[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6200882 B1

L8: Entry 1 of 3

File: USPT

Mar 13, 2001

US-PAT-NO: 6200882

DOCUMENT-IDENTIFIER: US 6200882 B1

TITLE: Method for processing a plurality of micro-machined mirror assemblies

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		
Jackson; Kathy J.	Cupertino	CA		

US-CL-CURRENT: 438/464; 216/22, 216/24, 216/26, 438/3, 438/460, 438/465, 438/52, 438/53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RVNC	Draw D
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☐ 2. Document ID: US 6076256 A

L8: Entry 2 of 3

File: USPT

Jun 20, 2000

US-PAT-NO: 6076256

DOCUMENT-IDENTIFIER: US 6076256 A

TITLE: Method for manufacturing magneto-optical data storage system

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		
Grade; John D.	Mountain View	CA		
Jackson; Kathy J.	Cupertino	CA		

US-CL-CURRENT: 29/825; 29/412, 29/416

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 3. Document ID: US 6046966 A

L8: Entry 3 of 3

File: USPT

Apr 4, 2000

US-PAT-NO: 6046966

DOCUMENT-IDENTIFIER: US 6046966 A

TITLE: Magneto-optical data storage system

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		

US-CL-CURRENT: 369/13.15; 369/112.29, 369/13.12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
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Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

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Search Results - Record(s) 1 through 47 of 47 returned.

☐ 1. Document ID: US 6826138 B2

L14: Entry 1 of 47

File: USPT

Nov 30, 2004

US-PAT-NO: 6826138

DOCUMENT-IDENTIFIER: US 6826138 B2

TITLE: Method for aligning actuator assembly to a base in a miniature optical disk drive

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abrahamson; Scott D.	Longmont	CO		
Freeman; Robert D.	Erie	CO		
Harbuz; Edmund	Longmont	CO		
Rappel; Brian Lee	Lyons	CO		
Raymond; Peter J.	Erie	CO		

US-CL-CURRENT: 369/53.25; 360/254.5, 369/222

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Draw	Draw Ds
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☐ 2. Document ID: US 6798729 B1

L14: Entry 2 of 47

File: USPT

Sep 28, 2004

US-PAT-NO: 6798729

DOCUMENT-IDENTIFIER: US 6798729 B1

TITLE: Optical head using micro-machined elements

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hurst, Jr.; Jerry E.	San Jose	CA		
Drake; Joseph	Mountain View	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Davis; Joseph E.	Morgan Hill	CA		

Heanue; John F.	Fremont	CA
Petersen; Kurt E.	San Jose	CA
McDaniel; Terry	Morgan Hill	CA
Drazan; Jeff	Atherton	CA

US-CL-CURRENT: 369/119; 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 3. Document ID: US 6785201 B2

L14: Entry 3 of 47

File: USPT

Aug 31, 2004

US-PAT-NO: 6785201

DOCUMENT-IDENTIFIER: US 6785201 B2

TITLE: Optical information recording and reading apparatus

DATE-ISSUED: August 31, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shinohara; Yoko	Chiba			JP
Mitsuoka; Yasuyuki	Chiba			JP
Oumi; Manabu	Chiba			JP
Kasama; Nobuyuki	Chiba			JP
Maeda; Hidetaka	Chiba			JP
Kato; Kenji	Chiba			JP
Ichihara; Susumu	Chiba			JP
Niwa; Takashi	Chiba			JP
Ohkubo; Toshifumi	Suginami-ku, Tokyo			JP
Hirota; Terunao	Nerima-ku, Tokyo			JP
Hosaka; Hiroshi	Matsudo-shi, Chiba			JP
Itao; Kiyoshi	Kamakura-shi, Kanagawa			JP

US-CL-CURRENT: 369/44.17; 369/112.01, 369/44.19, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 4. Document ID: US 6781927 B1

L14: Entry 4 of 47

File: USPT

Aug 24, 2004

US-PAT-NO: 6781927

DOCUMENT-IDENTIFIER: US 6781927 B1

TITLE: Data storage system having an optical processing flying head

DATE-ISSUED: August 24, 2004

h e b b g e e f e ef b e

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heanuc; John F	Fremont	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Jerman; John H.	Palo Alto	CA		

US-CL-CURRENT: 369/13.32; 369/112.27

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw D
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☐ 5. Document ID: US 6775100 B1

L14: Entry 5 of 47

File: USPT

Aug 10, 2004

US-PAT-NO: 6775100

DOCUMENT-IDENTIFIER: US 6775100 B1

TITLE: Laser assisted track width definition and radial control with magnetic recording

DATE-ISSUED: August 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belser; Karl A.	San Jose	CA		
McDaniel; Terry	Morgan Hill	CA		
Gage; Edward C.	Apple Valley	MN		
Durnin; James	Apple Valley	MN		
Swanson; Lori G.	Bloomington	MN		
Hutchinson; Christina L.	Apple Valley	MN		

US-CL-CURRENT: 360/137

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw D
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☐ 6. Document ID: US 6717893 B1

L14: Entry 6 of 47

File: USPT

Apr 6, 2004

US-PAT-NO: 6717893

DOCUMENT-IDENTIFIER: US 6717893 B1

TITLE: Laser thermal management system

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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h e b b g e e f e ef b e

Niss; David W.	Boulder	CO
Berg; Thomas E.	Fort Collins	CO
Freeman; Robert D.	Erie	CO
Bell, Jr.; Bernard W.	Lafayette	CO
Redmond; Ian R.	Boulder	CO
Abrahamson; Scott D.	Longmont	CO

US-CL-CURRENT: 369/44.19; 369/112.12, 369/121, 369/13.32, 369/44.12, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 7. Document ID: US 6650604 B1

L14: Entry 7 of 47

File: USPT

Nov 18, 2003

US-PAT-NO: 6650604

DOCUMENT-IDENTIFIER: US 6650604 B1

TITLE: Optical head of disk drive

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takishima; Suguru	Tokyo			JP

US-CL-CURRENT: 369/44.19; 369/119, 369/44.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 8. Document ID: US 6631227 B2

L14: Entry 8 of 47

File: USPT

Oct 7, 2003

US-PAT-NO: 6631227

DOCUMENT-IDENTIFIER: US 6631227 B2

TITLE: Information recording and reproducing apparatus

DATE-ISSUED: October 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kasama; Nobuyuki	Chiba			JP
Oumi; Manabu	Chiba			JP
Mitsuoka; Yasuyuki	Chiba			JP
Maeda; Hidetaka	Chiba			JP
Kato; Kenji	Chiba			JP
Niwa; Takashi	Chiba			JP

US-CL-CURRENT: 385/36; 369/112.01, 369/112.09, 369/112.28, 369/118, 369/44.15,
369/44.19, 385/140, 385/37

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw Ds
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☐ 9. Document ID: US 6631113 B1

L14: Entry 9 of 47

File: USPT

Oct 7, 2003

US-PAT-NO: 6631113

DOCUMENT-IDENTIFIER: US 6631113 B1

TITLE: Continuous flexible connection method for miniature optical head

DATE-ISSUED: October 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Freeman; Robert D.	Erie	CO		
Abrahamson; Scott D.	Longmont	CO		
Berg; Thomas E.	Fort Collins	CO		

US-CL-CURRENT: 369/112.01; 369/112.28, 369/44.11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw Ds
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☐ 10. Document ID: US 6614751 B1

L14: Entry 10 of 47

File: USPT

Sep 2, 2003

US-PAT-NO: 6614751

DOCUMENT-IDENTIFIER: US 6614751 B1

TITLE: Disk cartridge, optical disk drive, optical library and optical storage system

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katao; Hisashi	Hino-shi, Tokyo			JP

US-CL-CURRENT: 720/736

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw Ds
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☐ 11. Document ID: US 6587421 B1

L14: Entry 11 of 47

File: USPT

Jul 1, 2003

US-PAT-NO: 6587421

DOCUMENT-IDENTIFIER: US 6587421 B1

**** See image for Certificate of Correction ****

TITLE: Refractive index matching means coupled to an optical fiber for eliminating spurious light

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Los Gatos	CA		
Tselikov; Alexander	Fremont	CA		
Izraelian; Viatcheslav	North York			CA
Heanue; John F.	San Jose	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Gray; George R	Apple Valley	MN		
Zhang; Yongwei	San Jose	CA		

US-CL-CURRENT: 369/112.01; 369/107, 369/112.27, 369/44.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Draw. De
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☐ 12. Document ID: US 6535473 B1

L14: Entry 12 of 47

File: USPT

Mar 18, 2003

US-PAT-NO: 6535473

DOCUMENT-IDENTIFIER: US 6535473 B1

TITLE: Optical heads manufacturable in wafer form

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Swanson; Lori G.	Bloomington	MN		
Hutchinson; Christina L.	Apple Valley	MN		
Glumac; Daniel E.	Little Canada	MN		
Gage; Edward C.	Apple Valley	MN		
Heanue; John F.	San Jose	CA		

US-CL-CURRENT: 369/112.01; 369/112.24, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Draw. De
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☐ 13. Document ID: US 6529465 B2

L14: Entry 13 of 47

File: USPT

Mar 4, 2003

h e b b g e e f e ef b e

US-PAT-NO: 6529465

DOCUMENT-IDENTIFIER: US 6529465 B2

TITLE: Optical system for optical disk drive

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kase; Toshiyuki	Kanagawa-ken			JP
Nishikawa; Hiroshi	Saitama-ken			JP
Kubo; Wataru	Saitama-ken			JP
Nakanishi; Ryoichi	Saitama-ken			JP
Jain; Amit	Sunnyvale	CA		

US-CL-CURRENT: 369/112.24; 369/112.23, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NAME	Drawn De
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☐ 14. Document ID: US 6466525 B1

L14: Entry 14 of 47

File: USPT

Oct 15, 2002

US-PAT-NO: 6466525

DOCUMENT-IDENTIFIER: US 6466525 B1

TITLE: Optical disc data storage system

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gage; Edward C.	Apple Valley	MN		
Gerber; Ronald E.	Richfield	MN		
Al-Jumaily; Ghanim A.	Columbia Heights	MN		
Durnin; James E.	Apple Valley	MN		
Batko; Kevin D.	Zimmerman	MN		

US-CL-CURRENT: 369/44.19; 369/112.01, 369/44.14, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NAME	Drawn De
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☐ 15. Document ID: US 6414911 B1

L14: Entry 15 of 47

File: USPT

Jul 2, 2002

US-PAT-NO: 6414911

DOCUMENT-IDENTIFIER: US 6414911 B1

**** See image for Certificate of Correction ****

TITLE: Flying optical head with dynamic mirror

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Mountain View	CA		
Davis; Joseph E.	Morgan Hill	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Heanue; John F.	Fremont	CA		
Petersen; Kurt	San Jose	CA		
McDaniel; Terry	Morgan Hill	CA		
Drazan; Jeff	Atherton	CA		

US-CL-CURRENT: 369/13.56; 369/112.01, 369/112.29

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOW	Drawn De
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☐ 16. Document ID: US 6404727 B1

L14: Entry 16 of 47

File: USPT

Jun 11, 2002

US-PAT-NO: 6404727

DOCUMENT-IDENTIFIER: US 6404727 B1

TITLE: Electromagnetic rotary actuator

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rao; Vinod K.	Fremont	CA		

US-CL-CURRENT: 720/666; 369/119, 369/44.16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOW	Drawn De
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☐ 17. Document ID: US 6404726 B1

L14: Entry 17 of 47

File: USPT

Jun 11, 2002

US-PAT-NO: 6404726

DOCUMENT-IDENTIFIER: US 6404726 B1

TITLE: Optical disk drive having a swing arm

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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h e b b g e e e f e ef b e

Makita; Akihiko

Akashi

JP

US-CL-CURRENT: 369/222; 720/682

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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☐ 18. Document ID: US 6341106 B1

L14: Entry 18 of 47

File: USPT

Jan 22, 2002

US-PAT-NO: 6341106

DOCUMENT-IDENTIFIER: US 6341106 B1

TITLE: Optical disc drive

DATE-ISSUED: January 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakanishi; Ryoichi	Saitama-ken			JP
Nishikawa; Hiroshi	Saitama-ken			JP
Takishima; Suguru	Tokyo			JP
Shinozaki; Shimpei	Tokyo			JP

US-CL-CURRENT: 369/44.28; 369/44.23, 369/44.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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☐ 19. Document ID: US 6333910 B1

L14: Entry 19 of 47

File: USPT

Dec 25, 2001

US-PAT-NO: 6333910

DOCUMENT-IDENTIFIER: US 6333910 B1

TITLE: Optical system for optical disc drive

DATE-ISSUED: December 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nishikawa; Hiroshi	Saitama-ken			JP
Takishima; Suguru	Tokyo			JP

US-CL-CURRENT: 369/119; 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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☐ 20. Document ID: US 6333900 B1

L14: Entry 20 of 47

File: USPT

Dec 25, 2001

US-PAT-NO: 6333900

DOCUMENT-IDENTIFIER: US 6333900 B1

TITLE: Optical recording medium, optical head, and optical recording device

DATE-ISSUED: December 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maro; Tsuyoshi	Otokuni-gun			JP
Daimon; Hideo	Tsukuba-gun			JP
Ishizaki; Osamu	Suita			JP
Araki; Tatsuo	Ohtsu			JP
Ohnuki; Takeshi	Yuuki-gun			JP

US-CL-CURRENT: 369/13.17; 369/112.23, 369/13.33

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 21. Document ID: US 6292447 B1

L14: Entry 21 of 47

File: USPT

Sep 18, 2001

US-PAT-NO: 6292447

DOCUMENT-IDENTIFIER: US 6292447 B1

TITLE: Head for optical disc drive

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takishima; Suguru	Tokyo			JP
Nishikawa; Hiroshi	Saitama-ken			JP

US-CL-CURRENT: 369/53.25; 369/119, 369/120, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 22. Document ID: US 6288985 B1

L14: Entry 22 of 47

File: USPT

Sep 11, 2001

US-PAT-NO: 6288985

DOCUMENT-IDENTIFIER: US 6288985 B1

** See image for Certificate of Correction **

TITLE: Microactuator for fine tracking in a magneto-optical drive

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jordache; Nicholas	Eden	MN		
Gage; Edward	Apple Valley	MN		

US-CL-CURRENT: 369/44.23; 369/112.24, 369/112.27, 369/44.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 23. Document ID: US 6246657 B1

L14: Entry 23 of 47

File: USPT

Jun 12, 2001

US-PAT-NO: 6246657

DOCUMENT-IDENTIFIER: US 6246657 B1

TITLE: Fiber bundle switch

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Los Gatos	CA		
Heanue; John F.	San Jose	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Hrinya; Stephen J.	San Jose	CA		
Huang; Yonglin	San Jose	CA		

US-CL-CURRENT: 369/112.09; 369/44.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 24. Document ID: US 6200882 B1

L14: Entry 24 of 47

File: USPT

Mar 13, 2001

US-PAT-NO: 6200882

DOCUMENT-IDENTIFIER: US 6200882 B1

TITLE: Method for processing a plurality of micro-machined mirror assemblies

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		

Jerman; John H. Palo Alto CA
Jackson; Kathy J. Cupertino CA

US-CL-CURRENT: 438/464; 216/22, 216/24, 216/26, 438/3, 438/460, 438/465, 438/52,
438/53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw D
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☐ 25. Document ID: US 6178150 B1

L14: Entry 25 of 47

File: USPT

Jan 23, 2001

US-PAT-NO: 6178150

DOCUMENT-IDENTIFIER: US 6178150 B1

TITLE: Offset optics for use with optical heads

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davis; Joseph E.	Morgan Hill	CA		

US-CL-CURRENT: 369/14; 369/13.32, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw D
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☐ 26. Document ID: US 6081499 A

L14: Entry 26 of 47

File: USPT

Jun 27, 2000

US-PAT-NO: 6081499

DOCUMENT-IDENTIFIER: US 6081499 A

TITLE: Magneto-optical data storage system having an optical-processing flying head

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Berger; Jill D.	San Jose	CA		
Heanue; John F.	San Jose	CA		
Hurst, Jr.; Jerry E.	San Jose	CA		
Jerman; John H.	Palo Alto	CA		
Wilde; Jeffrey P.	Los Gatos	CA		

US-CL-CURRENT: 369/112.27; 360/77.03, 369/13.13, 369/13.31, 369/44.19, 369/99

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Draw D
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☐ 27. Document ID: US 6076256 A

L14: Entry 27 of 47

File: USPT

Jun 20, 2000

US-PAT-NO: 6076256

DOCUMENT-IDENTIFIER: US 6076256 A

TITLE: Method for manufacturing magneto-optical data storage system

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		
Grade; John D.	Mountain View	CA		
Jackson; Kathy J.	Cupertino	CA		

US-CL-CURRENT: 29/825; 29/412, 29/416

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 28. Document ID: US 6061323 A

L14: Entry 28 of 47

File: USPT

May 9, 2000

US-PAT-NO: 6061323

DOCUMENT-IDENTIFIER: US 6061323 A

TITLE: Data storage system having an improved surface micro-machined mirror

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jerman; John H.	Palo Alto	CA		
Drake; Joseph	Mountain View	CA		
Davis; Joseph E.	Morgan Hill	CA		
Wilde; Jeffrey P.	Los Gatos	CA		
Petersen; Kurt E.	San Jose	CA		

US-CL-CURRENT: 369/13.32; 369/112.27, 369/112.29, 369/119, 369/44.23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 29. Document ID: US 6058094 A

L14: Entry 29 of 47

File: USPT

May 2, 2000

US-PAT-NO: 6058094

DOCUMENT-IDENTIFIER: US 6058094 A

TITLE: Flying magneto-optical head with a steerable mirror

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davis; Joseph E.	Morgan Hill	CA		
Wilde; Jeffrey P.	Los Gatos	CA		

US-CL-CURRENT: 369/13.13; 369/112.29, 369/119, 369/44.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMBC	Draw D
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☐ 30. Document ID: US 6046966 A

L14: Entry 30 of 47

File: USPT

Apr 4, 2000

US-PAT-NO: 6046966

DOCUMENT-IDENTIFIER: US 6046966 A

TITLE: Magneto-optical data storage system

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Drake; Joseph D.	Palo Alto	CA		
Jerman; John H.	Palo Alto	CA		

US-CL-CURRENT: 369/13.15; 369/112.29, 369/13.12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMBC	Draw D
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☐ 31. Document ID: US 6044056 A

L14: Entry 31 of 47

File: USPT

Mar 28, 2000

US-PAT-NO: 6044056

DOCUMENT-IDENTIFIER: US 6044056 A

TITLE: Flying optical head with dynamic mirror

DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilde; Jeffrey P.	Mountain View	CA		

Davis; Joseph E.	Morgan Hill	CA
Hurst, Jr.; Jerry E.	San Jose	CA
Heanue; John F.	Fremont	CA
Petersen; Kurt	San Jose	CA
McDaniel; Terry	Morgan Hill	CA
Drazan; Jeff	Atherton	CA

US-CL-CURRENT: 369/119; 369/112.27, 369/112.29

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw D
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☐ 32. Document ID: US 6044041 A

L14: Entry 32 of 47

File: USPT

Mar 28, 2000

US-PAT-NO: 6044041

DOCUMENT-IDENTIFIER: US 6044041 A

TITLE: Recording and reproducing apparatus having a magneto-optical head with an objective lens and laser-beam-permeable member

DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ishizaki; Osamu	Suita			JP
Shimazaki; Katsusuke	Ibaraki-ken			JP
Sugiyama; Toshinori	Tsukuba			JP
Yoshihiro; Masafumi	Ibaraki-ken			JP
Imai; Susumu	Toride			JP

US-CL-CURRENT: 369/13.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw D
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☐ 33. Document ID: US 6034938 A

L14: Entry 33 of 47

File: USPT

Mar 7, 2000

US-PAT-NO: 6034938

DOCUMENT-IDENTIFIER: US 6034938 A

**** See image for Certificate of Correction ****

TITLE: Data storage system having an optical processing flying head

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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h e b b g e e f e ef b e

Heanue; John F	Fremont	CA
Wilde; Jeffrey P.	Los Gatos	CA
Hurst, Jr.; Jerry E.	San Jose	CA
Jerman; John H.	Palo Alto	CA

US-CL-CURRENT: 369/13.56; 369/13.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 34. Document ID: US 6009063 A

L14: Entry 34 of 47

File: USPT

Dec 28, 1999

US-PAT-NO: 6009063

DOCUMENT-IDENTIFIER: US 6009063 A

TITLE: Universal portable minidisk drive system

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nguyen; Nam D.	San Jose	CA	95129	
Tarng; Min Ming	San Jose	CA	95129	

US-CL-CURRENT: 369/13.34; 360/77.03, 369/44.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 35. Document ID: US 5631893 A

L14: Entry 35 of 47

File: USPT

May 20, 1997

US-PAT-NO: 5631893

DOCUMENT-IDENTIFIER: US 5631893 A

TITLE: Multi-head device for optical disk and recording/reproducing system for multiple users utilizing the same

DATE-ISSUED: May 20, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kang; Jin-ku	Seoul			KR
Ha; Sung-han	Seoul			KR
Park; Tae-seok	Suwon			KR
Lee; Chul-woo	Seoul			KR

US-CL-CURRENT: 369/126; 360/70, 360/72.1, 369/13.28, 369/44.15, 369/44.18, 369/47.16, 369/59.26

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 36. Document ID: US 5504731 A

L14: Entry 36 of 47

File: USPT

Apr 2, 1996

US-PAT-NO: 5504731

DOCUMENT-IDENTIFIER: US 5504731 A

TITLE: Remote fine positioning mechanism

DATE-ISSUED: April 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Neville K.	Sherbourn	MA		
Jain; Amit	Marlboro	MA		
Keppeler; Erwin	Marktoberdorf			DE

US-CL-CURRENT: 369/112.24; 369/112.26, 369/119, 369/44.14, 369/44.21

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 37. Document ID: US 5497359 A

L14: Entry 37 of 47

File: USPT

Mar 5, 1996

US-PAT-NO: 5497359

DOCUMENT-IDENTIFIER: US 5497359 A

**** See image for Certificate of Correction ****

TITLE: Optical disk data storage system with radiation-transparent air-bearing slider

DATE-ISSUED: March 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mamin; Harry J.	Palo Alto	CA		
Rugar; Daniel	Los Altos	CA		
Terris; Bruce D.	Sunnyvale	CA		

US-CL-CURRENT: 369/44.15; 369/112.23, 369/44.14, 369/44.16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 38. Document ID: US 5432763 A

L14: Entry 38 of 47

File: USPT

Jul 11, 1995

US-PAT-NO: 5432763

DOCUMENT-IDENTIFIER: US 5432763 A

TITLE: Subminiature rotary actuator optical head

DATE-ISSUED: July 11, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campbell; David K.	Loveland	CO		
Marshall; Daniel R.	Boise	ID		
Towner; David K.	Boise	ID		

US-CL-CURRENT: 369/44.19; 369/112.24, 369/13.13, 369/44.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Drawn De
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☐ 39. Document ID: US 5408451 A

L14: Entry 39 of 47

File: USPT

Apr 18, 1995

US-PAT-NO: 5408451

DOCUMENT-IDENTIFIER: US 5408451 A

TITLE: Driving device for objective lens

DATE-ISSUED: April 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noda; Kazuo	Yokohama			JP
Nakamura; Eiichi	Sagamihara			JP

US-CL-CURRENT: 369/44.15; 359/824, 720/683

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Drawn De
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☐ 40. Document ID: US 5325349 A

L14: Entry 40 of 47

File: USPT

Jun 28, 1994

US-PAT-NO: 5325349

DOCUMENT-IDENTIFIER: US 5325349 A

TITLE: Hard disc drive and a servo signal writing apparatus

DATE-ISSUED: June 28, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taniguchi; Kayoko	Kanagawa			JP

US-CL-CURRENT: 360/77.03; 369/222, 369/44.14, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw Da
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☐ 41. Document ID: US 5295122 A

L14: Entry 41 of 47

File: USPT

Mar 15, 1994

US-PAT-NO: 5295122

DOCUMENT-IDENTIFIER: US 5295122 A

**** See image for Certificate of Correction ****

TITLE: Flying head of a magneto-optical recording apparatus

DATE-ISSUED: March 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murakami; Akemi	Kanagawa			JP
Kobayashi; Hideo	Kanagawa			JP
Ueyanagi; Kiichi	Kanagawa			JP

US-CL-CURRENT: 369/13.17; 369/44.15, 369/44.16, 369/44.17, 369/44.18, 369/44.19,
369/44.21, 369/44.22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw Da
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☐ 42. Document ID: US 5153870 A

L14: Entry 42 of 47

File: USPT

Oct 6, 1992

US-PAT-NO: 5153870

DOCUMENT-IDENTIFIER: US 5153870 A

**** See image for Certificate of Correction ****

TITLE: Rotary head actuator for optical disk

DATE-ISSUED: October 6, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Neville K. S.	Sherborn	MA		
Howard; James W.	Natick	MA		
Godfrey; Ben	Marlboro	MA		

US-CL-CURRENT: 369/111; 369/112.29, 369/44.17, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 43. Document ID: US 5132944 A

L14: Entry 43 of 47

File: USPT

Jul 21, 1992

US-PAT-NO: 5132944

DOCUMENT-IDENTIFIER: US 5132944 A

TITLE: Half-height magneto-optic disk drive

DATE-ISSUED: July 21, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Berg; Thomas E.	Colorado Springs	CO		

US-CL-CURRENT: 369/13.34; 369/44.14, 369/44.15, 369/44.18, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 44. Document ID: US 4669073 A

L14: Entry 44 of 47

File: USPT

May 26, 1987

US-PAT-NO: 4669073

DOCUMENT-IDENTIFIER: US 4669073 A

TITLE: Optical disk drive apparatus

DATE-ISSUED: May 26, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wakabayashi; Noriaki	Hirakata			JP
Ishibashi; Hiromichi	Toyonaka			JP

US-CL-CURRENT: 369/44.19; 250/201.5, 369/111

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 45. Document ID: US 4626679 A

L14: Entry 45 of 47

File: USPT

Dec 2, 1986

US-PAT-NO: 4626679

DOCUMENT-IDENTIFIER: US 4626679 A

**** See image for Certificate of Correction ****

h e b b g e e f e ef b e

TITLE: Optical head and method of detecting the focus thereof

DATE-ISSUED: December 2, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuwayama; Tetsuro	Yokohama			JP
Matsumoto; Kazuya	Yokohama			JP

US-CL-CURRENT: 250/227.11; 369/44.12, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 46. Document ID: US 4403316 A

L14: Entry 46 of 47

File: USPT

Sep 6, 1983

US-PAT-NO: 4403316

DOCUMENT-IDENTIFIER: US 4403316 A

TITLE: Swing-arm device for an optical scanning unit

DATE-ISSUED: September 6, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
van de Veerdonk; Johannes T. A.	Eindhoven			NL

US-CL-CURRENT: 720/662; 369/222, 369/255, 369/44.16, 369/44.19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 47. Document ID: US 4004081 A

L14: Entry 47 of 47

File: USPT

Jan 18, 1977

US-PAT-NO: 4004081

DOCUMENT-IDENTIFIER: US 4004081 A

TITLE: Optical videodisc pickup arm with moving coil drive means

DATE-ISSUED: January 18, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zorn; Karl-Ludwig	Berlin			DT

US-CL-CURRENT: 369/44.19; 369/112.29, 369/250, 369/251, 369/254, 720/659

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)